

CLAIMS

1) A front impact damper (1), characterized by comprising a vertical supporting member (2) secured firmly to the ground; and a number of deformable tubular members (3) fitted inside one another and fixed to said vertical supporting member (2) at a given height off the ground.

2) A front impact damper as claimed in Claim 1, characterized in that said deformable tubular members (3) are fixed substantially vertically to said vertical supporting member (2).

3) A front impact damper as claimed in Claim 1, characterized in that said deformable tubular members (3) are fitted inside one another with mechanical clearance.

4) A front impact damper as claimed in Claim 3, characterized in that said deformable tubular members (3) are fitted inside one another so as to be tangent to one another at the same point.

5) A front impact damper as claimed in Claim 1, characterized in that at least one said deformable tubular member (3) comprises a portion of corrugated sheet metal (4, 7) having a W- or triple-groove-shaped section, and bent appropriately to form a cylindrical tubular body with a corrugated lateral wall.

6) A front impact damper as claimed in Claim 5, characterized in that said portion of corrugated sheet metal (4) with a W- or triple-groove-shaped section is bent into a loop.

7) A front impact damper as claimed in Claim 5, characterized in that said portion of corrugated sheet metal (7) with a W- or triple-groove-shaped section is bent into a C.

8) A front impact damper as claimed in Claim 1, characterized in that said vertical supporting member (2) comprises at least one metal bar (5, 8) fixed substantially vertically to the ground; said deformable tubular members (3) being

fixed to the top end of said at least one metal bar (5, 8).

9) A front impact damper as claimed in Claim 8, characterized in that said vertical supporting member (2) comprises at least one collapsible spacer member (6, 9) interposed between the top end of said metal bar (5, 8) and the body of at least one
5 said deformable tubular member (3).

10) A front impact damper as claimed in Claim 1, characterized in that said deformable tubular members (3) are three in number.

11) A road barrier, characterized by comprising a number of front impact dampers (1) as claimed in Claim 1.